

Form PTO-1449  
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U.S. DEPARTMENT OF COMMERCE  
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INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

APPLICANT:  
LUDWIG, et al.

FILING DATE  
June 7, 1996

GROUP  
2317

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
K <sup>2</sup>	P1	5,408,526	4/18/95	McFarland, et al.	379	202	
K <sup>2</sup>	P2	5,315,633	5/24/94	Champa	348	16	
	P3						
	P4						
	P5						
	P6						
	P7						
	P8						
	P9						
	P10						
	P11						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	F1							
	F2							
	F3							
	F4							
	F5							

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

K <sup>2</sup>	D1	Crawford, et al., "VIDEOMATIC SWITCHING: SYSTEM AND SERVICES," Digital Communications, 1988 Int. (1988)
	D2	

EXAMINER

*Mc Ghee Q. Lin*

DATE CONSIDERED

10/27/97

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformation and not considered. Include a copy of this form with the next communication to applicant.

INFORMATION DISCLOSURE STATEMENT  
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LUDWIG, L. et al.FILING DATE  
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## U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
3,723,653	03/27/73	TATSUZAWA	348	17	10/21/68
3,723,653	03/27/75	TATSUZAWA	348	17	10/21/68 Duplicate
3,873,771	03/25/75	KLEINERMAN, et al.	370	204	11/04/72
3,974,337	10/08/76	TATSUZAWA	370	483	23/05/74
4,005,265	01/25/77	VERHOECKX, et al.			19/12/74 Duplicate
4,005,265	01/25/77	VERHOECKX, et al.	348	482	12/19/74
4,210,927	01/07/80	YUMDE, et al.	348	23	08/05/78
4,441,180	03/04/84	SCHUSSLER, et al.	359	123	05/30/80
4,516,156	05/07/85	FABRIS, et al.	348	15	03/15/82
4,529,839	07/16/85	COLTON, et al.	348	415	10/25/83
4,529,840	07/16/85	COLTON, et al.	348	15	10/26/83
4,531,024	07/23/85	COLTON, et al.	379	93.14	10/25/83
4,574,374	03/04/86	SCORDO	370	265	10/25/83
4,645,872	03/04/87	PRESSMAN, et al.	348	15	05/06/86
4,650,929	03/17/87	BOERGER, et al.	348	15	02/08/85
4,710,917	12/01/87	TOMKINS, et al.	370	200.34	04/08/85
4,837,798	06/06/89	COHEN, et al.	379	88	06/02/86
4,961,211	10/02/90	TSUGANE, et al.	348	15	06/30/88
4,987,492	01/22/91	STULTS, et al.	348	15	09/28/87
4,995,071	02/19/91	WEBER, et al.	348	15	05/30/89
5,003,532	03/26/91	ASHIDA, et al.	348	15	05/31/90
5,010,399	04/23/91	GOODMAN, et al.	348	14	07/14/89
5,027,400	06/25/91	BAJI, et al.	380	20	08/16/89
5,042,062	08/20/91	LEE, et al.	348	16	10/23/89
5,099,510	03/24/92	BLINKEN, JR., et al.	379	202	06/11/90
5,130,399	07/14/92	BORDRY, et al.	348	14	20/07/89 Wrong Pat #
5,130,793	07/14/92	BORDRY, et al.	348	6	07/20/89
5,130,801	07/14/92	YAMAGUCHI	348	15	08/23/90
5,170,427	12/08/92	GUICHARD, et al.	348	14	02/02/90
5,200,989	04/06/93	MILONE, et al.	348	16	05/23/89
5,202,957	04/13/93	SERRAO, et al.	348	19	08/09/90
5,218,627	06/08/93	COREY, et al.	348	16	12/19/90
5,283,637	01/02/94	GOOLCHARAN	348	17	08/20/90
5,374,952	12/20/94	FLOHR	348	12	02/18/94

## FOREIGN PATENT DOCUMENTS

Part of #15

2 of 3

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
K <sup>2</sup>		0 561 381	03/17/93	EP				
K <sup>2</sup>		0 523 626	07/14/92	EP				
K <sup>2</sup>		0 523 618	07/14/92	EP				
K <sup>2</sup>		0 516 371	05/27/92	EP				
K <sup>2</sup>		0 497 022	01/31/91	EP				
K <sup>2</sup>		0 414 222	08/22/90	EP				
K <sup>2</sup>		0 354 370	12/07/89	EP				X
K <sup>2</sup>		0 190 060	08/01/86	EP				X
K <sup>2</sup>		35 07 152	08/29/85	DE				X

## OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

K <sup>2</sup>		Software Architecture for Integration of Video Services in the Etherphone System by P. Venkat Rangan, and Daniel C. Swinehart (IEEE Journal on Selected Areas in Communications, Vol. 9, No. 9 December 1991)
K <sup>2</sup>		Multimedia Conferencing in the Etherphone Environment by Harrick M. Vin, Polle T. Zellweger, Daniel C. Swinehart, and P. Venkat Rangan (Xerox Palo Alto Research Center) October 1991
K <sup>2</sup>		An Experiment in Integrated Multimedia Conferencing by Keith A Lantz, Department of Computer Science, Stanford University, Stanford, CA 94305, December 1986
K <sup>2</sup>		Collaboration Technology Research at Olivetti Research California by Keith A. Lantz, J. Chris Lauwers, Barry Arons, Carl Binding, Pehong Chen, Jim Donahue, Thomas A. Joseph, Richard Koo, Allyn Romanow, Chris Schmandt, and Wayne Yamamoto, August 1989
K <sup>2</sup>		Collaboration Awareness in Support of Collaboration Transparency: Requirements for the Next Generation of Shared Window Systems by J. Chris Lauwers and Keith A. Lantz of Olivetti Research California, Version of April 1989
K <sup>2</sup>		Replicated Architectures for Shared Window Systems: A Critique by J. Chris Lauwers, Thomas A. Joseph, Keith A. Lantz and Allyn L. Romanow of Olivetti Research California, Version of April 1990
		<del>Systems Integration '90 by Peter A. Ng, C.V. Ramamoorthy, Laurence C. Seifert and Raymond T. Yeh (April 23-26, 1990)</del>
		<del>The American Users Forum (Niu-Forum) August 6-9, 1990)</del>
		<del>A Network Environment for Studying Multimedia Network Architecture and Control (1989 Globecom, by Robert Lank, Laura Pate)</del>
		<del>Frontiers in Computer Communications Technology, Sigcomm '87 Workshop (August 11-13, 1987)</del>
		<del>Spider: An Investigation in Collaborative Technologies and Their Effects on Network Performance by Roderick E. Perkins.</del>
K <sup>2</sup>		Statement by attorney for Applicants - Describing Product Development
K <sup>2</sup>		Optimal Communication Architectures for Multimedia Conferencing in Distributed Systems, Multimedia Laboratory Dept. of Computer Science and Engineering, University of San Diego, La Jolla, CA by Srinivas Ramanathan, P. Venkat Rangan, Harrick M. Vin, and Thomas Kaepfner
K <sup>2</sup>		Optimum Connection Paths for a Class of Videoconference, Yiu-Wing LEUNG and Tak-Shing YUM, Department of Information Engineering, the Chinese University of Hong Kong, Shatin, Hong Kong
K <sup>2</sup>		Desk Top Video Conferencing - An Important Feature of Future Visual Communications by Christoph Weiss, SIEMENS AG - Munich - West Germany

K2		Hierarchical Conferencing Architectures for Inter-Group Multimedia Collaboration, Multimedia Laboratory Department of Computer Science and Engineering University of California at San Diego, La Jolla, by Harrick M. Vin, P. Venkat Rangan and Srinivas Ramanathan
K2	AY	Telekommunikation von Angesicht zu Angesicht 2323 Telcom Report 9 (1986) Sept./Okt., No. 5, Erlangen, W. Germany by Peter Klein
EXAMINER	<div> <div> <i>Ali J. J. J.</i> </div> <div> DATE CONSIDERED 1/5/97 </div> </div>	

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